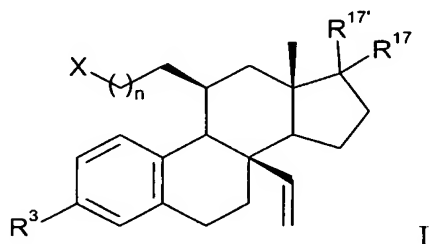


This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A compound of ~~Compounds of general~~ formula I

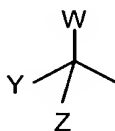


in which

R^3 represents a group R^{19} -O-, $R^{20}SO_2$ -O-, or -O-C(O) R^{21} ;

n represents 3, 4, or 5:

X represents a group of formula II



II

in which

Z and W , independently of one another, represent R^{19} ,

or

Z and W together represent an oxygen atom,

Y represents OR^{19} , -CN, -SCN, a halogen atom, R^{20} , $R^{20}SO_2$ -O-;

or

Y represents R^{19} or R^{20} , if Z and W together represent an oxygen atom;

R^{17} and $R^{17'}$ together represent an oxygen atom, or a group $=CR^{23}R^{24}$,

in which

R^{23} and R^{24} , independently of one another, represent a hydrogen atom or a halogen;

or

R^{17} represents hydrogen, $-OR^{19}$ or halogen;

$R^{17'}$ represents R^{19} , $-OR^{19}$, halogen, $R^{20}SO_2-O-$, $-C(O)R^{21}$ or $-O-C(O)R^{21}$;

R^{19} represents a hydrogen atom,

a radical of formula $C_pF_qH_r$ with $p=1, 2, 3, 4, 5, 6, 7, 8, 9$; $q > 1$ and $q+r=2p+1$;

an unbranched C_1-C_8 -alkyl group or branched C_3-C_6 -alkyl group, a

C_3-C_6 -cycloalkyl group that is optionally substituted with a phenyl radical, a

$(C_3-C_6$ -cycloalkyl)- C_1-C_4 -alkylene group, a branched or unbranched C_2-C_5 -

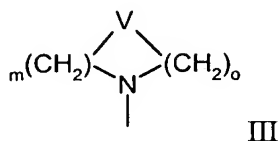
alkenyl group, a C_2-C_5 -alkinyl group; or an unsubstituted or substituted aryl-,

heteroaryl-, heterocyclyl-, aryl- C_1-C_4 -alkylene-, or heteroaryl- C_1-C_4 -alkylene

group;

R^{20} represents an $R^{21}R^{22}N-$ group, a group $-C(NOR^{19})H$, or a group of

general formula III



in which

V represents $-\text{CH}_2-$, an oxygen atom or a sulfur atom, or $=\text{N}-\text{R}^{25}$;

m represents 0, 1, 2, 3, 4, 5, 6, 7 or 8;

o represents 0, 1, 2, 3, 4, 5, 6, 7 or 8,

whereby their sum

$m + o$ is 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12;

R^{21} and R^{22} , independently of one another, represent R^{19} ;

R^{25} represents R^{19} , $\text{R}^{20}\text{SO}_2-$ or an acyl group $-\text{C}(\text{O})\text{R}^{21}$.

2. **(Currently amended)** A compound ~~Compounds of general formula I~~ according to claim 1, characterized in that wherein $\text{Y} = -\text{OH}$, $-\text{CN}$, $-\text{SCN}$, a halogen, or R^{20} .

3. **(Currently amended)** A compound ~~Compounds of general formula I~~ according to claim 1, wherein

$\text{Y} = \text{R}^{20}$, if and Z and W together represent an oxygen atom.

4. **(Currently amended)** A compound ~~Compounds of general formula I~~ according to claim 1, wherein

Y represents $-\text{OH}$, $-\text{CN}$, $-\text{SCN}$, a halogen atom, or R^{20} ;

and

R^{17} and $\text{R}^{17'}$ together represent an oxygen atom,

or

R¹⁷ represents hydrogen, or –OH;

R^{17'} represents hydrogen, –OH, C₁–C₄-alkyl group, C₂–C₅-alkenyl group,
a C₂–C₅-alkinyl group, or a trifluoromethyl group.

5. (Currently amended) ~~Compounds of general formula I~~ A compound according to claim 1,
wherein

Y represents R²⁰, if and Z and W together represent an oxygen atom,

and

R¹⁷ and R^{17'} together represent an oxygen atom,

or

R¹⁷ represents hydrogen, or –OH;

R^{17'} represents hydrogen, –OH, C₁–C₄-alkyl group, C₂–C₅-alkenyl group,
a C₂–C₅-alkinyl group, or a trifluoromethyl group.

6. (Currently amended) ~~Compounds~~ A compound according to claim 1, ~~namely which is~~

11β-[(R) 6,6,6-Trifluoro-5-hydroxyhexyl]-8-vinyl-estra-1,3,5(10)-triene-3,17β-diol

(Diastereomer 1),

11β-[(S) 6,6,6-Trifluoro-5-hydroxyhexyl]-8-vinyl-estra-1,3,5(10)-triene-3,17β-diol

(Diastereomer 2),

11β-[(R)7,7,7-Trifluoro-6-hydroxyheptyl]-8-vinyl-estra-1,3,5(10)-triene-3,17β-diol,

11β-[(S)7,7,7-Trifluoro-6-hydroxyheptyl]-8-vinyl-estra-1,3,5(10)-triene-3,17β-diol,

11β-[(R)8,8,8-Trifluoro-7-hydroxyoctyl]-8-vinyl-estra-1,3,5(10)-triene-3,17β-diol,

11β-[(S)8,8,8-Trifluoro-7-hydroxyoctyl]-8-vinyl-estra-1,3,5(10)-triene-3,17β-diol,

~~11 β -[7,7,7-Trifluoro-6-hydroxyheptyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol~~
(Diastereomer 1),

~~11 β -[7,7,7-Trifluoro-6-hydroxyheptyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol~~
(Diastereomer 2),

~~11 β -[8,8,8-Trifluoro-7-hydroxyoctyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol,~~
(Diastereomer 1),

~~11 β -[8,8,8-Trifluoro-7-hydroxyoctyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol~~
(Diastereomer 2),

11 β -[6,6,6-Trifluoro-5-hydroxy-5-(trifluoromethyl)hexyl]-8-vinyl-estra-1,3,5(10)-triene-
3,17 β -diol,

11 β -[7,7,7-Trifluoro-6-hydroxy-6-(trifluoromethyl)heptyl]-8-vinyl-estra-1,3,5(10)-
triene-3,17 β -diol,

11 β -[8,8,8-Trifluoro-7-hydroxy-7-(trifluoromethyl)octyl]-8-vinyl-estra-1,3,5(10)-triene-
3,17 β -diol,

11 β -[(R)7,7,7,6,6-Pentafluoro-5-hydroxyheptyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -
diol,

11 β -[(S)7,7,7,6,6-Pentafluoro-5-hydroxyheptyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -
diol,

11 β -[(R)8,8,8,7,7-Pentafluoro-6-hydroxyoctyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -
diol,

11 β -[(S)8,8,8,7,7-Pentafluoro-6-hydroxyoctyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol,

11 β -[(R)9,9,9,8,8-Pentafluoro-7-hydroxynonyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol,

11 β -[(S)9,9,9,8,8-Pentafluoro-7-hydroxynonyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol,

11 β -[(R)8,8,8,7,7,6,6-Heptafluoro-5-hydroxyoctyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol,

11 β -[(S)8,8,8,7,7,6,6-Heptafluoro-5-hydroxyoctyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol,

11 β -[(R)9,9,9,8,8,7,7-Heptafluoro-6-hydroxynonyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol,

11 β -[(S)9,9,9,8,8,7,7-Heptafluoro-6-hydroxynonyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol,

11 β -[(R)10,10,10,9,9,8,8-Heptafluoro-7-hydroxydecyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol,

11 β -[(S)10,10,10,9,9,8,8-Heptafluoro-7-hydroxydecyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol,

~~11 β -[7,7,7,6,6-Pentafluoro-5-hydroxyheptyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol~~
(Diastereomer 1),

~~11 β -[7,7,7,6,6-Pentafluoro-5-hydroxyheptyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol~~

(Diastereomer 2),

~~11 β [8,8,8,7,7 Pentafluoro 6 hydroxyoctyl] 8 vinyl estra 1,3,5(10) triene 3,17 β diol~~

(Diastereomer 1),

~~11 β [8,8,8,7,7 Pentafluoro 6 hydroxyoctyl] 8 vinyl estra 1,3,5(10) triene 3,17 β diol~~

(Diastereomer 2),

~~11 β [9,9,9,8,8 Pentafluoro 7 hydroxynonyl] 8 vinyl estra 1,3,5(10) triene 3,17 β diol~~

(Diastereomer 1),

~~11 β [9,9,9,8,8 Pentafluoro 7 hydroxynonyl] 8 vinyl estra 1,3,5(10) triene 3,17 β diol~~

(Diastereomer 2),

~~11 β [8,8,8,7,7,6,6 Heptafluoro 5 hydroxyoctyl] 8 vinyl estra 1,3,5(10) triene 3,17 β -~~

~~diol (Diastereomer 1),~~

~~11 β [8,8,8,7,7,6,6 Heptafluoro 5 hydroxyoctyl] 8 vinyl estra 1,3,5(10) triene 3,17 β -~~

~~diol (Diastereomer 2),~~

~~11 β [9,9,9,8,8,7,7 Heptafluoro 6 hydroxynonyl] 8 vinyl estra 1,3,5(10) triene 3,17 β -~~

~~diol (Diastereomer 1),~~

~~11 β [9,9,9,8,8,7,7 Heptafluoro 6 hydroxynonyl] 8 vinyl estra 1,3,5(10) triene 3,17 β -~~

~~diol (Diastereomer 2),~~

~~11 β [10,10,10,9,9,8,8 Heptafluoro 7 hydroxydecyl] 8 vinyl estra 1,3,5(10) triene-~~

~~3,17 β diol (Diastereomer 1),~~

~~11 β [10,10,10,9,9,8,8 Heptafluoro 7 hydroxydecyl] 8 vinyl estra 1,3,5(10) triene-~~

~~3,17 β diol (Diastereomer 2),~~

11 β -(5-Bromopentyl)-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol,
 11 β -[5-(Methylamino)pentyl]-8-vinylestra-1,3,5(10)-triene-3,17 β -diol,
 11 β -[5-(Dimethylamino)pentyl]-8-vinylestra-1,3,5(10)-triene-3,17 β -diol,
 11 β -[5-(Pyrrolidin-1-yl)pentyl]-8-vinylestra-1,3,5(10)-triene-3,17 β -diol,
 11 β -[5-(1-Piperidyl)pentyl]-8-vinylestra-1,3,5(10)-triene-3,17 β -diol,
 11 β -(5-Morpholinopentyl)-8-vinylestra-1,3,5(10)-triene-3,17 β -diol,
 11 β -{5-[Methyl(9,9,9,8,8-pentafluorononyl)amino]pentyl}-8-vinylestra-1,3,5(10)-
 triene-3,17 β -diol,
 11 β -{5-[(9,9,9,8,8,7,7-Heptafluorononyl)methylamino]pentyl}-8-vinylestra-1,3,5(10)-
 triene-3,17 β -diol,
 11 β -{5-[Methyl(octanoyl)amino]pentyl}-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol,
 11 β -(6-Chlorohexyl)-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol,
 11 β -[6-(Methylamino)hexyl]-8-vinylestra-1,3,5(10)-triene-3,17 β -diol,
 11 β -[6-(Dimethylamino)hexyl]-8-vinylestra-1,3,5(10)-triene-3,17 β -diol, 11 β -[6-
 (Pyrrolidin-1-yl)hexyl]-8-vinylestra-1,3,5(10)-triene-3,17 β -diol,
 11 β -[6-(1-Piperidyl)hexyl]-8-vinylestra-1,3,5(10)-triene-3,17 β -diol,
 11 β -(6-Morpholinohexyl)-8-vinylestra-1,3,5(10)-triene-3,17 β -diol,
 11 β -{6-[Methyl(9,9,9,8,8-pentafluorononyl)amino]hexyl}-8-vinylestra-1,3,5(10)-triene-
 3,17 β -diol,
 11 β -{6-[(9,9,9,8,8,7,7-Heptafluorononyl)methylamino]hexyl}-8-vinylestra-1,3,5(10)-
 triene-3,17 β -diol,

11β -{6-[Methyl(octanoyl)amino]hexyl}-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol,
 11β -(7-Bromoheptyl)-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol,
 11β -[7-(Methylamino)heptyl]-8-vinylestra-1,3,5(10)-triene-3,17 β -diol,
 11β -[7-(Dimethylamino)heptyl]-8-vinylestra-1,3,5(10)-triene-3,17 β -diol,
 11β -[7-(Pyrrolidin-1-yl)heptyl]-8-vinylestra-1,3,5(10)-triene-3,17 β -diol,
 11β -[7-(1-Piperidyl)heptyl]-8-vinylestra-1,3,5(10)-triene-3,17 β -diol,
 11β -(7-Morpholinoheptyl)-8-vinylestra-1,3,5(10)-triene-3,17 β -diol,
 11β -{7-[Methyl(9,9,9,8,8-pentafluorononyl)amino]heptyl}-8-vinylestra-1,3,5(10)-
triene-3,17 β -diol,
 11β -{7-[(9,9,9,8,8,7,7-Heptafluorononyl)methylamino]heptyl}-8-vinylestra-1,3,5(10)-
triene-3,17 β -diol,
 11β -{7-[Methyl(octanoyl)amino]heptyl}-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol,
*N-n*Butyl-*N*-methyl-5-[3,17 β -dihydroxy-8-vinylestra-1,3,5(10)-trien-11 β -yl]valeramide,
*N-n*Butyl-*N*-methyl-6-[3,17 β -dihydroxy-8-vinylestra-1,3,5(10)-trien-11 β -
yl]capronamide,
*N-n*Butyl-*N*-methyl-7-[3,17 β -dihydroxy-8-vinylestra-1,3,5(10)-trien-11 β -
yl]enantioamide,
 11β -(5-Thiocyanatopentyl)-8-vinylestra-1,3,5(10)-triene-3,17 β -diol,
 11β -(6-Thiocyanatohexyl)-8-vinylestra-1,3,5(10)-triene-3,17 β -diol,
 11β -(7-Thiocyanatoheptyl)-8-vinylestra-1,3,5(10)-triene-3,17 β -diol,
6-[3,17 β -Dihydroxy-8-vinylestra-1,3,5(10)-trien-11 β -yl]capronitrile,

7-[3,17 β -Dihydroxy-8-vinylestra-1,3,5(10)-trien-11 β -yl]enanthonitrile,

17 β -Hydroxy-11 β -[(R) 6,6,6-trifluoro-5-hydroxyhexyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-sulfamate,

17 β -Hydroxy-11 β -[(S) 6,6,6-trifluoro-5-hydroxyhexyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-sulfamate,

17 β -Hydroxy-11 β -[(R)7,7,7-trifluoro-6-hydroxyheptyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-sulfamate,

17 β -Hydroxy-11 β -[(S)7,7,7-trifluoro-6-hydroxyheptyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-sulfamate,

17 β -Hydroxy-11 β -[(R)8,8,8-trifluoro-7-hydroxyoctyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-sulfamate,

17 β -Hydroxy-11 β -[(S)8,8,8-trifluoro-7-hydroxyoctyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-sulfamate,

~~17 β -Hydroxy-11 β -[(R) 6,6,6-trifluoro-5-hydroxyhexyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-sulfamate (Diastereomer 1),~~

~~17 β -Hydroxy-11 β -[(S) 6,6,6-trifluoro-5-hydroxyhexyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-sulfamate (Diastereomer 2),~~

~~17 β -Hydroxy-11 β -[7,7,7-trifluoro-6-hydroxyheptyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-sulfamate (Diastereomer 1),~~

~~17 β -Hydroxy-11 β -[7,7,7-trifluoro-6-hydroxyheptyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-~~

~~sulfamate (Diastereomer 2),~~

~~17 β -Hydroxy-11 β -[8,8,8-trifluoro-7-hydroxyoctyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-~~

~~sulfamate, (Diastereomer 1),~~

~~17 β -Hydroxy-11 β -[8,8,8-trifluoro-7-hydroxyoctyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-~~

~~sulfamate (Diastereomer 2),~~

17 β -Hydroxy-11 β -[6,6,6-trifluoro-5-hydroxy-5-(trifluoromethyl)hexyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-sulfamate,

17 β -Hydroxy-11 β -[7,7,7-trifluoro-6-hydroxy-6-(trifluoromethyl)heptyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-sulfamate,

17 β -Hydroxy-11 β -[8,8,8-trifluoro-7-hydroxy-7-(trifluoromethyl)octyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-sulfamate,

17 β -Hydroxy-11 β -[(R)7,7,7,6,6-pentafluoro-5-hydroxyheptyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-sulfamate,

17 β -Hydroxy-11 β -[(S)7,7,7,6,6-pentafluoro-5-hydroxyheptyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-sulfamate,

17 β -Hydroxy-11 β -[(R)8,8,8,7,7-pentafluoro-6-hydroxyoctyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-sulfamate,

17 β -Hydroxy-11 β -[(S)8,8,8,7,7-pentafluoro-6-hydroxyoctyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-sulfamate,

17 β -Hydroxy-11 β -[(R)9,9,9,8,8-pentafluoro-7-hydroxynonyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-sulfamate,

17 β -Hydroxy-11 β -[(S)9,9,9,8,8-pentafluoro-7-hydroxynonyl]-8-vinyl-estra-1,3,5(10)-

trien-3-yl-sulfamate,

~~17 β -Hydroxy-11 β -[7,7,7,6,6-pentafluoro-5-hydroxyheptyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-sulfamate (Diastereomer 1),~~

~~17 β -Hydroxy-11 β -[7,7,7,6,6-pentafluoro-5-hydroxyheptyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-sulfamate (Diastereomer 2),~~

~~17 β -Hydroxy-11 β -[8,8,8,7,7-pentafluoro-6-hydroxyoctyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-sulfamate (Diastereomer 1),~~

~~17 β -Hydroxy-11 β -[8,8,8,7,7-pentafluoro-6-hydroxyoctyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-sulfamate (Diastereomer 2),~~

~~17 β -Hydroxy-11 β -[9,9,9,8,8-pentafluoro-7-hydroxynonyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-sulfamate (Diastereomer 1),~~

~~17 β -Hydroxy-11 β -[9,9,9,8,8-pentafluoro-7-hydroxynonyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-sulfamate (Diastereomer 2),~~

11 β -[5-(Dimethylamino)pentyl]-17 β -hydroxy-8-vinylestra-1,3,5(10)-trien-3-yl-sulfamate,

17 β -Hydroxy-11 β -[5-(pyrrolidin-1-yl)pentyl]-8-vinylestra-1,3,5(10)-trien-3-yl-sulfamate,

17 β -Hydroxy-11 β -[5-(1-piperidyl)pentyl]-8-vinylestra-1,3,5(10)-trien-3-yl-sulfamate,

17 β -Hydroxy-11 β -(5-morpholinopentyl)-8-vinylestra-1,3,5(10)-trien-3-yl-sulfamate,

11 β -[6-(Dimethylamino)hexyl]-17 β -hydroxy-8-vinylestra-1,3,5(10)-trien-3-yl-

sulfamate,

17 β -Hydroxy-11 β -[6-(pyrrolidin-1-yl)hexyl]-8-vinylestra-1,3,5(10)-trien-3-yl-

sulfamate,

17 β -Hydroxy-11 β -[6-(1-piperidyl)hexyl]-8-vinylestra-1,3,5(10)-trien-3-yl-sulfamate,

17 β -Hydroxy-11 β -(6-morpholinohexyl)-8-vinylestra-1,3,5(10)-trien-3-yl-sulfamate,

11 β -[7-(Dimethylamino)heptyl]-17 β -hydroxy-8-vinylestra-1,3,5(10)-trien-3-yl-

sulfamate,

17 β -Hydroxy-11 β -[7-(pyrrolidin-1-yl)heptyl]-8-vinylestra-1,3,5(10)-trien-3-yl-

sulfamate,

17 β -Hydroxy-11 β -[7-(1-piperidyl)heptyl]-8-vinylestra-1,3,5(10)-trien-3-yl-sulfamate,

17 β -Hydroxy-11 β -(7-morpholinoheptyl)-8-vinylestra-1,3,5(10)-trien-3-yl-sulfamate,

~~11 β -[7,7,6-Trifluoro-5-hydroxyhept-6-enyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol~~

~~(Diastereomer 1),~~

~~11 β -[7,7,6-Trifluoro-5-hydroxyhept-6-enyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol~~

~~(Diastereomer 2),~~

~~11 β -[8,8,7-Trifluoro-6-hydroxyoct-7-enyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol~~

~~(Diastereomer 1),~~

~~11 β -[8,8,7-Trifluoro-6-hydroxyoct-7-enyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol~~

~~(Diastereomer 2),~~

~~11 β -[9,9,8-Trifluoro-7-hydroxynon-8-enyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol~~

~~(Diastereomer 1),~~

~~11 β -[9,9,8-Trifluoro-7-hydroxynon-3-enyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol~~
(Diastereomer 2),

~~11 β -[5-Hydroxyhexyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol (Diastereomer 1),~~

~~11 β -[5-Hydroxyhexyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol (Diastereomer 2),~~

~~11 β -[6-Hydroxyheptyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol (Diastereomer 1),~~

~~11 β -[6-Hydroxyheptyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol (Diastereomer 2),~~

~~11 β -[7-Hydroxyoctyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol (Diastereomer 1),~~

~~11 β -[7-Hydroxyoctyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol (Diastereomer 2),~~

11 β -[(R)7,7,6-Trifluoro-5-hydroxyhept-6-enyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -
diol,

11 β -[(S) 7,7,6-Trifluoro-5-hydroxyhept-6-enyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -
diol,

11 β -[(R)8,8,7-Trifluoro-6-hydroxyoct-7-enyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol ,

11 β -[(S) 8,8,7-Trifluoro-6-hydroxyoct-7-enyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol,

11 β -[(R)9,9,8-Trifluoro-7-hydroxynon-8-enyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -
diol,

11 β -[(S) 9,9,8-Trifluoro-7-hydroxynon-3-enyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -
diol,

(R) 11 β -[5-Hydroxyhexyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol,

(S) 11 β -[5-Hydroxyhexyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol,

(R) 11 β -[6-Hydroxyheptyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol,

(S) 11 β -[6-Hydroxyheptyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol,

(R) 11 β -[7-Hydroxyoctyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol,

(S) 11 β -[7-Hydroxyoctyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol,

11 β -[5-Methyl-5-hydroxyhexyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol,

11 β -[6-Methyl-6-hydroxyheptyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol,

11 β -[7-Methyl-7-hydroxyoctyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol,

~~17 α Methyl 11 β [(R) 6,6,6-trifluoro-5-hydroxyhexyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol (Diastereomer 1),~~

~~17 α Methyl 11 β [(S) 6,6,6-trifluoro-5-hydroxyhexyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol (Diastereomer 2),~~

~~17 α Methyl 11 β [7,7,7-trifluoro-6-hydroxyheptyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol (Diastereomer 1),~~

~~17 α Methyl 11 β [7,7,7-trifluoro-6-hydroxyheptyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol (Diastereomer 2),~~

~~17 α Methyl 11 β [8,8,8-Trifluoro-7-hydroxyoctyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol (Diastereomer 1),~~

~~17 α Methyl 11 β [8,8,8-trifluoro-7-hydroxyoctyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol (Diastereomer 2).~~

~~17 β Hydroxy 11 β [8,8,8,7,7,6,6-heptafluoro-5-hydroxyoctyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-sulfamate (Diastereomer 1),~~

~~17 β Hydroxy 11 β [8,8,8,7,7,6,6-heptafluoro-5-hydroxyoctyl]-8-vinyl-estra-1,3,5(10)-~~

~~trien-3-yl-sulfamate (Diastereomer 2),~~

~~17 β -Hydroxy-11 β -[9,9,9,8,8,7,7-heptafluoro-6-hydroxynonyl]-8-vinyl-estra-1,3,5(10)-~~

~~trien-3-yl-sulfamate (Diastereomer 1),~~

~~17 β -Hydroxy-11 β -[9,9,9,8,8,7,7-heptafluoro-6-hydroxynonyl]-8-vinyl-estra-1,3,5(10)-~~

~~trien-3-yl-sulfamate (Diastereomer 2),~~

~~17 β -Hydroxy-11 β -[10,10,10,9,9,8,8-heptafluoro-7-hydroxydecyl]-8-vinyl-estra-~~

~~1,3,5(10)-trien-3-yl-sulfamate (Diastereomer 1),~~

~~17 β -Hydroxy-11 β -[10,10,10,9,9,8,8-heptafluoro-7-hydroxydecyl]-8-vinyl-estra-~~

~~1,3,5(10)-trien-3-yl-sulfamate (Diastereomer 2),~~

~~17 β -Hydroxy-11 β -[7,7,6-trifluoro-5-hydroxyhept-6-enyl]-8-vinyl-estra-1,3,5(10)-trien-~~

~~3-yl-sulfamate (Diastereomer 1),~~

~~17 β -Hydroxy-11 β -[7,7,6-trifluoro-5-hydroxyhept-6-enyl]-8-vinyl-estra-1,3,5(10)-trien-~~

~~3-yl-sulfamate (Diastereomer 2),~~

~~17 β -Hydroxy-11 β -[8,8,7-trifluoro-6-hydroxyoct-7-enyl]-8-vinyl-estra-1,3,5(10)-trien-3-~~

~~yl-sulfamate (Diastereomer 1),~~

~~17 β -Hydroxy-11 β -[8,8,7-trifluoro-6-hydroxyoct-7-enyl]-8-vinyl-estra-1,3,5(10)-trien-3-~~

~~yl-sulfamate (Diastereomer 2),~~

~~17 β -Hydroxy-11 β -[9,9,8-trifluoro-7-hydroxynon-8-enyl]-8-vinyl-estra-1,3,5(10)-trien-~~

~~3-yl-sulfamate (Diastereomer 1),~~

~~17 β -Hydroxy-11 β -[9,9,8-trifluoro-7-hydroxynon-8-enyl]-8-vinyl-estra-1,3,5(10)-trien-~~

~~3-yl-sulfamate (Diastereomer 2),~~

~~17 β -Hydroxy-17 α -methyl-11 β -[(1R)-6,6,6-trifluoro-5-hydroxyhexyl]-8-vinyl-estra-~~

~~1,3,5(10)-trien-3-yl-sulfamate (Diastereomer 1),~~

~~17 β -Hydroxy-17 α -methyl-11 β -[(S)-6,6,6-trifluoro-5-hydroxyhexyl]-8-vinyl-estra-~~

~~1,3,5(10)-trien-3-yl-sulfamate (Diastereomer 2),~~

~~17 β -Hydroxy-17 α -methyl-11 β -[7,7,7-trifluoro-6-hydroxyheptyl]-8-vinyl-estra-~~

~~1,3,5(10)-trien-3-yl-sulfamate (Diastereomer 1),~~

~~17 β -Hydroxy-17 α -methyl-11 β -[7,7,7-trifluoro-6-hydroxyheptyl]-8-vinyl-estra-~~

~~1,3,5(10)-trien-3-yl-sulfamate (Diastereomer 2),~~

~~17 β -Hydroxy-17 α -methyl-11 β -[8,8,8-trifluoro-7-hydroxyoctyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-sulfamate (Diastereomer 1),~~

~~17 β -Hydroxy-17 α -methyl-11 β -[8,8,8-trifluoro-7-hydroxyoctyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-sulfamate (Diastereomer 2)~~

17 α -Methyl-11 β -[(R)-6,6,6-trifluoro-5-hydroxyhexyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol,

17 α -Methyl-11 β -[(S)-6,6,6-trifluoro-5-hydroxyhexyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol,

17 α -Methyl-11 β -[(R)-7,7,7-trifluoro-6-hydroxyheptyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol,

17 α -Methyl-11 β -[(S)-7,7,7-trifluoro-6-hydroxyheptyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol,

17 α -Methyl-11 β -[(R)-8,8,8-Trifluoro-7-hydroxyoctyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol,

17 α -Methyl-11 β -[(S)8,8,8-trifluoro-7-hydroxyoctyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol),

17 β -Hydroxy-11 β -[(R)8,8,8,7,7,6,6-heptafluoro-5-hydroxyoctyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-sulfamate,

17 β -Hydroxy-11 β -[(S)8,8,8,7,7,6,6-heptafluoro-5-hydroxyoctyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-sulfamate,

17 β -Hydroxy-11 β -[(R)9,9,9,8,8,7,7-heptafluoro-6-hydroxynonyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-sulfamate,

17 β -Hydroxy-11 β -[(S)9,9,9,8,8,7,7-heptafluoro-6-hydroxynonyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-sulfamate,

17 β -Hydroxy-11 β -[(R)10,10,10,9,9,8,8-heptafluoro-7-hydroxydecyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-sulfamate,

17 β -Hydroxy-11 β -[(S)10,10,10,9,9,8,8-heptafluoro-7-hydroxydecyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-sulfamate,

17 β -Hydroxy-11 β -[(R)7,7,6-trifluoro-5-hydroxyhept-6-enyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-sulfamate,

17 β -Hydroxy-11 β -[(S)7,7,6-trifluoro-5-hydroxyhept-6-enyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-sulfamate,

17 β -Hydroxy-11 β -[(R)8,8,7-trifluoro-6-hydroxyoct-7-enyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-sulfamate,

17 β -Hydroxy-11 β -[(S)8,8,7-trifluoro-6-hydroxyoct-7-enyl]-8-vinyl-estra-1,3,5(10)-

trien-3-yl-sulfamate,

17 β -Hydroxy-11 β -[(R)9,9,8-trifluoro-7-hydroxynon-8-enyl]-8-vinyl-estra-1,3,5(10)-

trien-3-yl-sulfamate,

17 β -Hydroxy-11 β -[(S)9,9,8-trifluoro-7-hydroxynon-8-enyl]-8-vinyl-estra-1,3,5(10)-

trien-3-yl-sulfamate,

17 β -Hydroxy-17 α -methyl-11 β -[(1R) 6,6,6-trifluoro-5-hydroxyhexyl]-8-vinyl-estra-

1,3,5(10)-trien-3-yl-sulfamate,

17 β -Hydroxy-17 α -methyl-11 β -[(S) 6,6,6-trifluoro-5-hydroxyhexyl]-8-vinyl-estra-

1,3,5(10)-trien-3-yl-sulfamate,

17 β -Hydroxy-17 α -methyl-11 β -[(R)7,7,7-trifluoro-6-hydroxyheptyl]-8-vinyl-estra-

1,3,5(10)-trien-3-yl-sulfamate,

17 β -Hydroxy-17 α -methyl-11 β -[(S)7,7,7-trifluoro-6-hydroxyheptyl]-8-vinyl-estra-

1,3,5(10)-trien-3-yl-sulfamate,

17 β -Hydroxy-17 α -methyl-11 β -[(R)8,8,8-trifluoro-7-hydroxyoctyl]-8-vinyl-estra-

1,3,5(10)-trien-3-yl-sulfamate

or

17 β -Hydroxy-17 α -methyl-11 β -[(S)8,8,8-trifluoro-7-hydroxyoctyl]-8-vinyl-estra-

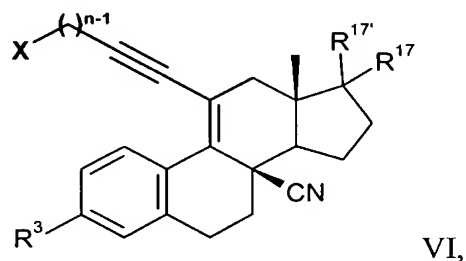
1,3,5(10)-trien-3-yl-sulfamate.

7. **(Currently Amended) Pharmaceutical compositions** A pharmaceutical composition that
~~contain~~ comprising at least one compound according to Claim 1 as well as a pharmaceutically
compatible adjuvant and/or vehicle.

8. **(Currently Amended)** ~~Pharmaceutical compositions~~ A pharmaceutical composition that ~~contain~~ comprising a compound according to claim 1 and at least one compound that is ~~selected from the group of a GnRH antagonist antagonists, a progesterone receptor antagonist antagonists, a mesoprogesterin, a gestagen or a tissue-selective gestagen~~ mesoprogesterins, gestagens or tissue-selective gestagens.
9. **(Currently Amended)** ~~Use of the compounds of general formula I according to Claim 1 for the production of a~~ A method of preparing a pharmaceutical agent comprising admixing a compound according to claim 1 with a pharmaceutically compatible adjuvant and/or vehicle.
10. **(Currently amended)** ~~Use of the compounds of general formula I according to claim 9 for~~ A method for contraception in women comprising administering to a patient in need thereof a pharmaceutically effective amount of a compound according to claim 1.
11. **(Currently amended)** ~~Use of the compounds of general formula I according to claim 9~~ A method for contraception in men comprising administering to a patient in need thereof a pharmaceutically effective amount of a compound according to claim 1.
12. **(Currently amended)** ~~Use of the compounds of general formula I according to claim 9~~ A method for treating benign or malignant proliferative diseases of the ovary comprising administering to a patient in need thereof a pharmaceutically effective amount of a compound according to claim 1.
13. **(Currently amended)** ~~Use~~ A method according to claim 12, wherein said disease is for ~~treating~~ ovarian cancer.
14. **(Currently amended)** ~~Use~~ A method according to claim 12, for treating a granulosa cell tumor.

15. **(Currently Amended)** Use A method according to Claim 9, wherein the function of other estrogen-sensitive organs such as the uterus or liver is not impaired.

16. **(Currently amended)** ~~Intermediate products~~ An intermediate product of general formula VI



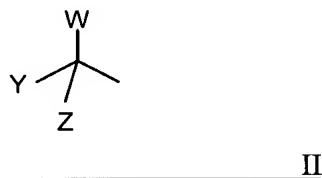
in which

in which

R³ represents a group R¹⁹-O-, R²⁰SO₂-O-, or -O-C(O)R²¹;

n represents 3, 4, or 5;

X represents a group of formula II



in which

Z and W, independently of one another, represent R¹⁹,

or

Z and W together represent an oxygen atom,

Y represents OR¹⁹, -CN, -SCN, a halogen atom, R²⁰, R²⁰SO₂-O-;

or

Y represents R^{19} or R^{20} , if Z and W together represent an oxygen atom;

R^{17} and $R^{17'}$ together represent an oxygen atom, or a group $=CR^{23}R^{24}$,

in which

R^{23} and R^{24} , independently of one another, represent a hydrogen atom or a
halogen;

or

R^{17} represents hydrogen, $-OR^{19}$ or halogen;

$R^{17'}$ represents R^{19} , $-OR^{19}$, halogen, $R^{20}SO_2-O-$, $-C(O)R^{21}$ or

$-O-C(O)R^{21}$;

R^{19} represents a hydrogen atom,

a radical of formula $C_pF_qH_r$ with $p=1, 2, 3, 4, 5, 6, 7, 8, 9$; $q > 1$ and $q+r=2p+1$;

an unbranched C_1-C_8 -alkyl group or branched C_3-C_6 -alkyl group, a

C_3-C_6 -cycloalkyl group that is optionally substituted with a phenyl radical, a

$(C_3-C_6$ -cycloalkyl)- C_1-C_4 -alkylene group, a branched or unbranched C_2-C_5 -

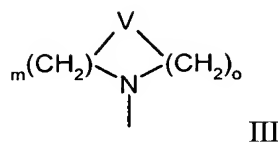
alkenyl group, a C_2-C_5 -alkinyl group; or an unsubstituted or substituted aryl-,

heteroaryl-, heterocyclyl-, aryl- C_1-C_4 -alkylene-, or heteroaryl- C_1-C_4 -alkylene

group;

R^{20} represents an $R^{21}R^{22}N-$ group, a group $-C(NOR^{19})H$, or a group of

formula III



in which

V represents $-\text{CH}_2-$, an oxygen atom or a sulfur atom, or $=\text{N}-\text{R}^{25}$;

m represents 0, 1, 2, 3, 4, 5, 6, 7 or 8;

o represents 0, 1, 2, 3, 4, 5, 6, 7 or 8,

whereby their sum

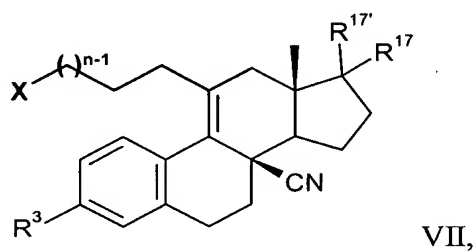
m + o is 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12;

R^{21} and R^{22} , independently of one another, represent R^{19} ;

R^{25} represents R^{19} , $\text{R}^{20}\text{SO}_2-$ or an acyl group $-\text{C}(\text{O})\text{R}^{21}$

~~radicals X , R^3 , R^{17} , $\text{R}^{17'}$ and n have the same meaning as that in general formula I.~~

17. (Currently amended) ~~Intermediate products~~ A compound of general formula VII



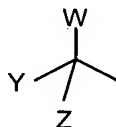
~~in which radicals X , R^3 , R^{17} , $\text{R}^{17'}$ and n have the same meaning as that in general formula I~~

in which

R^3 represents a group R^{19} -O-, $R^{20}SO_2$ -O-, or $-O-C(O)R^{21}$;

n represents 3, 4, or 5;

X represents a group of formula II



II

in which

Z and W , independently of one another, represent R^{19} ,

or

Z and W together represent an oxygen atom,

Y represents OR^{19} , $-CN$, $-SCN$, a halogen atom, R^{20} , $R^{20}SO_2$ -O-;

or

Y represents R^{19} or R^{20} , if Z and W together represent an oxygen atom;

R^{17} and $R^{17'}$ together represent an oxygen atom, or a group $=CR^{23}R^{24}$,

in which

R^{23} and R^{24} , independently of one another, represent a hydrogen atom or a
halogen;

or

R^{17} represents hydrogen, $-OR^{19}$ or halogen;

$R^{17'}$ represents R^{19} , $-OR^{19}$, halogen, $R^{20}SO_2$ -O-, $-C(O)R^{21}$ or
 $-O-C(O)R^{21}$;

R^{19} represents a hydrogen atom,

a radical of formula $C_pF_qH_r$ with $p=1, 2, 3, 4, 5, 6, 7, 8, 9$; $q > 1$ and $q+r=2p+1$;

an unbranched C_1 – C_8 -alkyl group or branched C_3 – C_6 -alkyl group, a

C_3 – C_6 -cycloalkyl group that is optionally substituted with a phenyl radical, a

$(C_3$ – C_6 -cycloalkyl)- C_1 – C_4 -alkylene group, a branched or unbranched C_2 – C_5 -

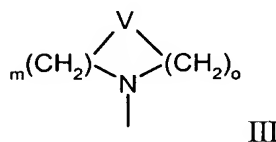
alkenyl group, a C_2 – C_5 -alkinyl group; or an unsubstituted or substituted aryl-,

heteroaryl-, heterocyclyl-, aryl- C_1 – C_4 -alkylene-, or heteroaryl- C_1 – C_4 -alkylene

group;

R^{20} represents an $R^{21}R^{22}N$ - group, a group $-C(NOR^{19})H$, or a group of

formula III



in which

V represents $-CH_2-$, an oxygen atom or a sulfur atom, or $=N-R^{25}$;

m represents 0, 1, 2, 3, 4, 5, 6, 7 or 8;

o represents 0, 1, 2, 3, 4, 5, 6, 7 or 8,

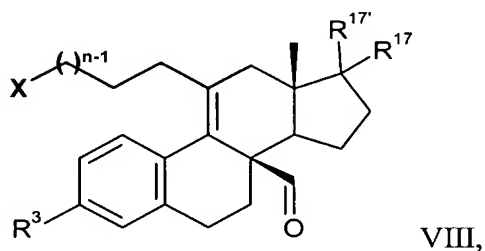
whereby their sum

$m + o$ is 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12;

R^{21} and R^{22} , independently of one another, represent R^{19} ;

R^{25} represents R^{19} , $R^{20}SO_2-$ or an acyl group $-C(O)R^{21}$.

18. (Currently amended) ~~Intermediate products~~ A compound of general formula VIII



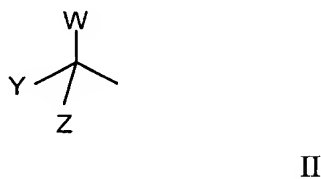
in which ~~radicals X, R³, R¹⁷, R^{17'}~~ and n have the same meaning as that in general formula I

in which

R³ represents a group R¹⁹-O-, R²⁰SO₂-O-, or -O-C(O)R²¹.

n represents 3, 4, or 5:

X represents a group of formula II



in which

Z and W, independently of one another, represent R¹⁹,

or

Z and W together represent an oxygen atom,

Y represents OR¹⁹, -CN, -SCN, a halogen atom, R²⁰, R²⁰SO₂-O-;

or

Y represents R¹⁹ or R²⁰, if Z and W together represent an oxygen atom;

R¹⁷ and R^{17'} together represent an oxygen atom, or a group =CR²³R²⁴,

in which

R²³ and R²⁴, independently of one another, represent a hydrogen atom or a

halogen;

or

R¹⁷ represents hydrogen, -OR¹⁹ or halogen;

R^{17'} represents R¹⁹, -OR¹⁹, halogen, R²⁰SO₂-O-, -C(O)R²¹ or

-O-C(O)R²¹;

R¹⁹ represents a hydrogen atom,

a radical of formula C_pF_qH_r with p=1, 2, 3, 4, 5, 6, 7, 8, 9; q >1 and q+r=2p+1;

an unbranched C₁-C₈-alkyl group or branched C₃-C₆-alkyl group, a

C₃-C₆-cycloalkyl group that is optionally substituted with a phenyl radical, a

(C₃-C₆-cycloalkyl)-C₁-C₄-alkylene group, a branched or unbranched C₂-C₅-

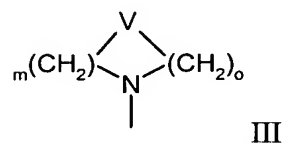
alkenyl group, a C₂-C₅-alkinyl group; or an unsubstituted or substituted aryl-,

heteroaryl-, heterocyclyl-, aryl-C₁-C₄-alkylene-, or heteroaryl-C₁-C₄-alkylene

group;

R²⁰ represents an R²¹R²²N- group, a group -C(NOR¹⁹)H, or a group of

formula III



in which

V represents $-\text{CH}_2-$, an oxygen atom or a sulfur atom, or $=\text{N}-\text{R}^{25}$.

m represents 0, 1, 2, 3, 4, 5, 6, 7 or 8;

o represents 0, 1, 2, 3, 4, 5, 6, 7 or 8,

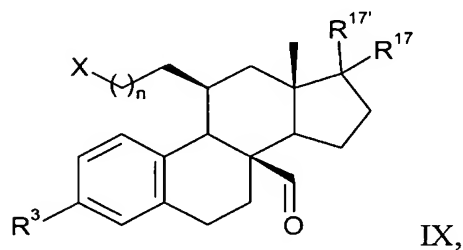
whereby their sum

$m + o$ is 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12;

R^{21} and R^{22} , independently of one another, represent R^{19} ;

R^{25} represents R^{19} , $\text{R}^{20}\text{SO}_2-$ or an acyl group $-\text{C}(\text{O})\text{R}^{21}$.

19. (Currently amended) ~~Intermediate products~~ A compound of general formula IX



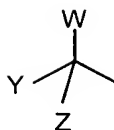
~~in which radicals X, R^3 , R^{17} , $\text{R}^{17'}$ and n have the same meaning as that in general formula I~~

in which

R^3 represents a group $\text{R}^{19}-\text{O}-$, $\text{R}^{20}\text{SO}_2-\text{O}-$, or $-\text{O}-\text{C}(\text{O})\text{R}^{21}$;

n represents 3, 4, or 5;

X represents a group of formula II



II

in which

Z and W, independently of one another, represent R¹⁹,

or

Z and W together represent an oxygen atom,

Y represents OR¹⁹, -CN, -SCN, a halogen atom, R²⁰, R²⁰SO₂-O-;

or

Y represents R¹⁹ or R²⁰, if Z and W together represent an oxygen atom;

R¹⁷ and R^{17*} together represent an oxygen atom, or a group =CR²³R²⁴,

in which

R²³ and R²⁴, independently of one another, represent a hydrogen atom or a

halogen;

or

R¹⁷ represents hydrogen, -OR¹⁹ or halogen;

R^{17*} represents R¹⁹, -OR¹⁹, halogen, R²⁰SO₂-O-, -C(O)R²¹ or

-O-C(O)R²¹;

R¹⁹ represents a hydrogen atom,

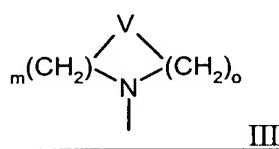
a radical of formula C_pF_qH_r with p=1, 2, 3, 4, 5, 6, 7, 8, 9; q > 1 and q+r=2p+1;

an unbranched C₁-C₈-alkyl group or branched C₃-C₆-alkyl group, a

C₃-C₆-cycloalkyl group that is optionally substituted with a phenyl radical, a

(C₃-C₆-cycloalkyl)-C₁-C₄-alkylene group, a branched or unbranched C₂-C₅-alkenyl group, a C₂-C₅-alkinyl group; or an unsubstituted or substituted aryl-, heteroaryl-, heterocyclyl-, aryl-C₁-C₄-alkylene-, or heteroaryl-C₁-C₄-alkylene group;

R²⁰ represents an R²¹R²²N- group, a group -C(NOR¹⁹)H, or a group of formula III



in which

V represents -CH₂-, an oxygen atom or a sulfur atom, or =N-R²⁵;

m represents 0, 1, 2, 3, 4, 5, 6, 7 or 8;

o represents 0, 1, 2, 3, 4, 5, 6, 7 or 8,

whereby their sum

m + o is 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12;

R²¹ and R²², independently of one another, represent R¹⁹;

R²⁵ represents R¹⁹, R²⁰SO₂- or an acyl group -C(O)R²¹.